PTO/SB/05 (01-04)

Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Doc	cket No.	03-0054
First Inventor		Edward H. Park
Title [Dynamic Vuica	inization Of Elastomers With In-Situ Polymerization

4. Drawing(s) (35 U.S.C. 113) [Total Sheets

5. Oath or Declaration

3. 🛣

6. 🔲

Signature

TRANSMITTAL	Title Dynamic Vulcanization Of Elastomers With In-Situ Polymerization
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No. EO 902 548 783 US
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450
Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. Specification [Total Pages 60] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure Drawing(s) (35 U.S.C. 113) [Total Sheets] Dath or Declaration [Total Sheets] About or Declaration [Total Sheets] Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). Application Data Sheet. See 37 CFR 1.76	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Other: Credit Card Payment Form.
If a CONTINUING APPLICATION, check appropriate box, and sup-	

Date

January <u>26</u>, 2004

		ATION, check appropri or in an Application Dat			uisite information below and 3:	l in the first sei	ntence of the	
Contir	ntinuation Divisional Continuation-In-part (CIP) of prior application No.:							
For CONTINUAT 5b, is considered	d a part of the dis	AL APPS only; The entir closure of the accompan	e disclosure of lying continuat	ion or division	Art Unit: Ication, from which an oath o al application and is hereby l ed from the submitted applica	ncorporated by		
		19.	CORRESPO	NDENCE A	DDRESS			
X Custon	ner Number:	2	9293	-	OR Corres	pondence add	iress below	
Name	Freudenber	g-NOK General Pa	artnership					
4.4	Intellectual Property Department							
Address	47690 East	Anchor Court						
City	Plymouth,			State	MI	Zip Code	48170-2455	
Country	United State	es of America		Telephone	(734) 451-0020	Fax	(734) 451-2547	
Name (Print/Ty	pe) Ronald	W Wangerow		Registra	tion No. (Attorney/Agent)	20	9 597	

This collection of information is required by 37 CFR 1.83(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



3	
_	
$\overline{}$	

Name (Print/Type)

Signature

PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

F	E	ΞT	R	A	IS	MI	T	TA	۱L
		fc	r	FY	2	00	4		

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,062.00

sapona to a conscion or inc	Annation unless it displays a valid Olyip whitioi fluitiber.
Co	omplete if Known
Application Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	Edward H. Park
Examiner Name	Not yet assigned
Art Unit	N/A
Attorney Docket No.	03-0054

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)						
☐ Check Credit card ☐ Money ☐ Other ☐ None	3. ADDITIONAL FEES						
Deposit Account:		Large Entity Small Entity					
Deposit Account	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
Number	1051	130	2051	65	Surcharge - late filing fee or oath		
Deposit Account	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		
Name The Director is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	ļl i	
Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination		
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920°	Requesting publication of SIR prior to Examiner action		
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month		
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	<u> </u>	
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month		
Fee Fee Fee Fee Paid Code (\$) Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month		
1001 770 2001 385 Utility filing fee 770.00	1255	2,010	2255	1,005	Extension for reply within fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal		
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal		
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing		
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding		
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to revive - unavoidable		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453	1,330	2453	665	Petition to revive - unintentional		
Fee from _	1501	•	2501		Utility issue fee (or reissue)		
Extra Claims below Fee Pald Total Claims 34 -20** = 14 x 18 = 252.00	1502	480	2502		Design issue fee		
Independent 3 2** 0 V 000	1503	640	2503		Plant Issue fee		
Claims 5 - 3 = 5 A T T T T T T T T T T T T T T T T T T	1460	130	1460		Petitions to the Commissioner		
Large Entity Small Entity	1807	50	1807		Processing fee under 37 CFR 1.17(q)		
Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt		
Code (\$) Code (\$)	8021	40	8021	1 40	Recording each patent assignment per property (times number of properties)	40.00	
1202	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))		
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	1 385	For each additional invention to be		
1204 86 2204 43 ** Reissue independent claims					examined (37 CFR 1.129(b))		
over original patent	1801	770	2801		Request for Continued Examination (RCE)	 	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application		
SUBTOTAL (2) (\$) 252.00		fee (sp					
**or number previously paid, if greater; For Reissues, see above	*Redu	ced by	Basic I	Filing F	ee Paid SUBTOTAL (3) (\$)	40.00	
SUBMITTED BY (Complete (if applicable))							

WARNING: Information in this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization in PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Registration No.

29,597

Telephone

(734) 354-5445 January <u>26</u>, 2004